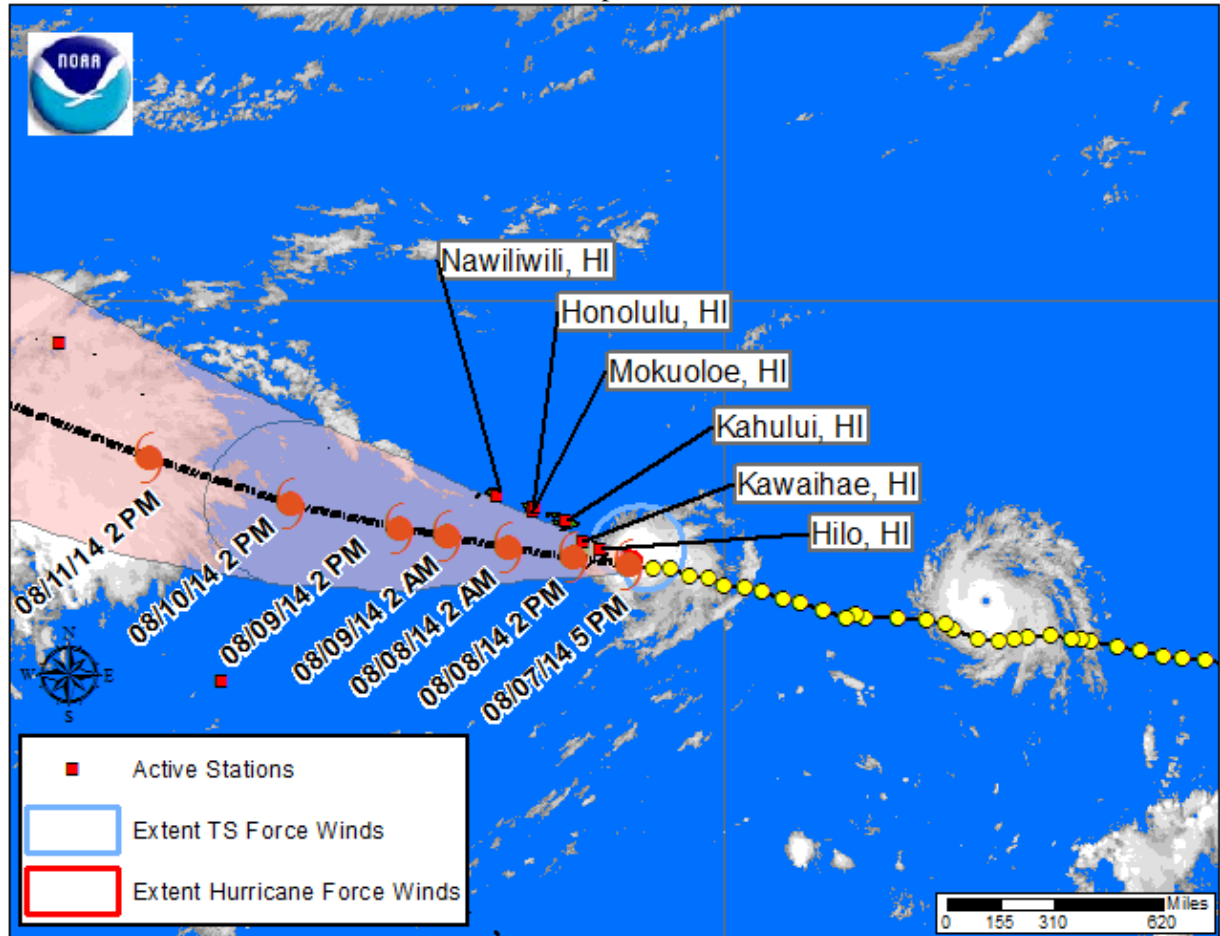




Hurricane ISELLE QuickLook
Posted: 18:00 HST 08/07/2014



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/07/2014 18:00 HST, water levels across the Hawaiian Islands range between 0.1 and 0.65 feet above predicted tide levels, with the highest residuals occurring in Hawaii County. Winds are increasing in Hawaii County, with gusts between 18 and 35 knots at Hilo and Kawaihae. Barometric pressure is falling across the islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:KG

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISELLE ADVISORY NUMBER 32

500 PM HST THU AUG 07 2014

...ISELLE CONTINUING TO APPROACH THE BIG ISLAND...

WATCHES AND WARNINGS

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* HAWAII COUNTY

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI...
AND KAHOO LAWE.

* OAHU

* KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND
PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE
EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

INTERESTS IN THE NORTHWEST HAWAIIAN ISLANDS SHOULD MONITOR THE
PROGRESS OF ISELLE.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR
PRODUCTS ISSUED BY THE NATIONAL WEATHER SERVICE OFFICE IN
HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM HST...THE CENTER OF HURRICANE ISELLE WAS
LOCATED NEAR LATITUDE 19.1 NORTH...LONGITUDE 153.8 WEST. ISELLE IS
MOVING TOWARD THE WEST NEAR 15 MPH...AND THIS MOTION IS
EXPECTED TO CONTINUE WITH SOME SLOWING IN FORWARD SPEED OVER THE
NEXT COUPLE OF DAYS. ON THE FORECAST TRACK...ISELLE WILL BE

MOVING OVER THE BIG ISLAND TONIGHT...AND PASSING SOUTH OF THE SMALLER ISLANDS ON FRIDAY AND FRIDAY NIGHT.

DATA FROM THE U.S. AIR FORCE HURRICANE HUNTERS INDICATE THAT MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH...WITH HIGHER GUSTS. WEAKENING IS FORECAST OVER THE NEXT 48 HOURS...BUT ISELLE COULD STILL BE A HURRICANE WHEN IT REACHES THE BIG ISLAND. ISELLE IS FORECAST TO WEAKEN TO A TROPICAL STORM OVERNIGHT.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 35 MILES...55 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 185 MILES...295 KM.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 992 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS WILL REACH THE BIG ISLAND THIS EVENING WITH HURRICANE CONDITIONS LIKELY IN SOME AREAS OVERNIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED OVER MAUI COUNTY TONIGHT... AND FOR OAHU ON FRIDAY. TROPICAL STORM CONDITIONS ARE EXPECTED FOR KAUAI COUNTY LATER FRIDAY.

RAINFALL...RAINFALL TOTALS OF 5 TO 8 INCHES...WITH ISOLATED MAXIMUM AMOUNTS TO 12 INCHES...ARE EXPECTED ALONG THE TRACK OF ISELLE. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AS WELL AS ROCK AND MUD SLIDES.

SURF...SWELLS GENERATED BY ISELLE WILL CONTINUE TO BUILD ALONG EAST FACING SHORES TONIGHT. VERY LARGE...DAMAGING WAVES ARE EXPECTED ALONG MAINLY EAST AND SOUTH SHORES THROUGH FRIDAY.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

BIG ISLAND WINDWARD AND KAU...1 TO 2 FT

SURGE RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES.

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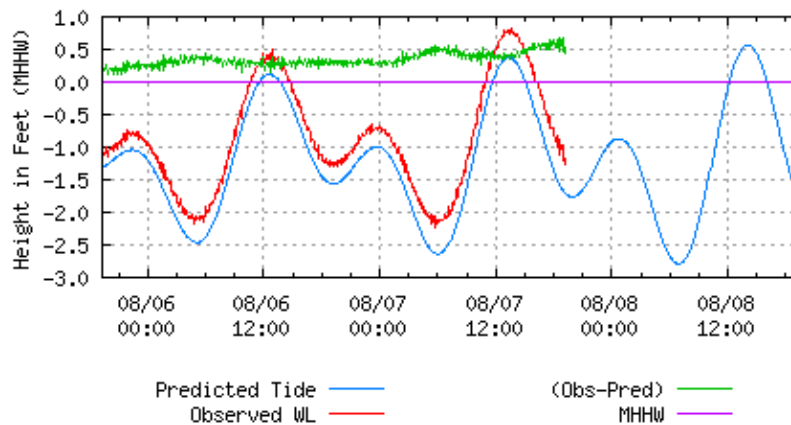
FORECASTER R BALLARD

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#)

Hurricane ISELLE QuickLook, POSTED 18:00 HST 08/07/2014

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



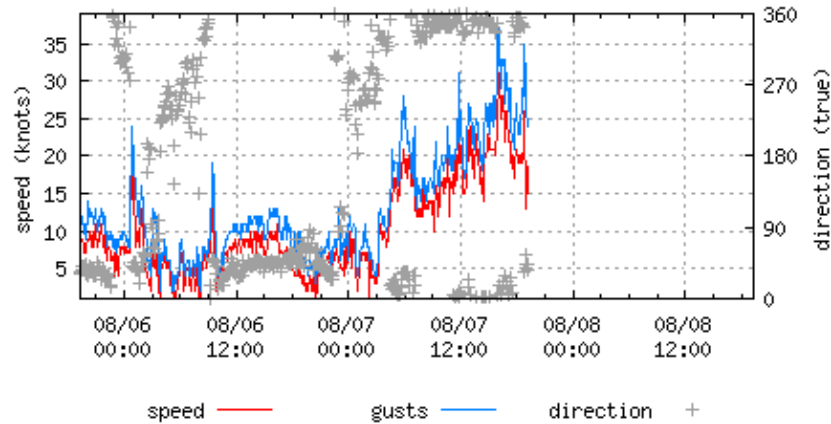
Last Observed Sample: 08/07/2014 19:12 (HST). Data relative to MHHW

Observed: -1.28 ft. Predicted: -1.72 ft. Residual: 0.44 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 08/08/2014 00:43 (HST), -0.86 ft.

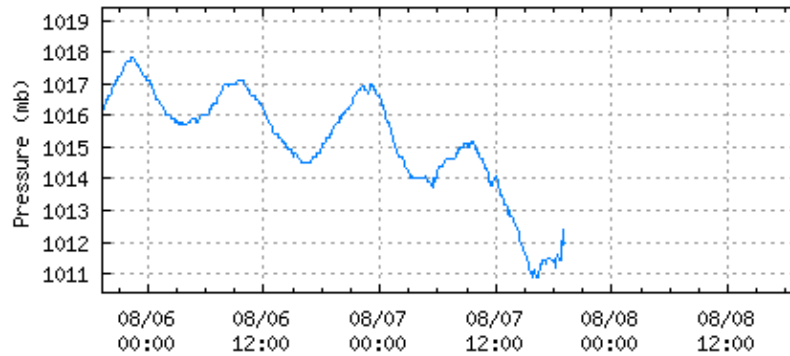
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 08/07/2014 19:12 (HST)

Wind Speed: 15 knots Gusts: 25 knots Direction: 36° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Barometric Pressure

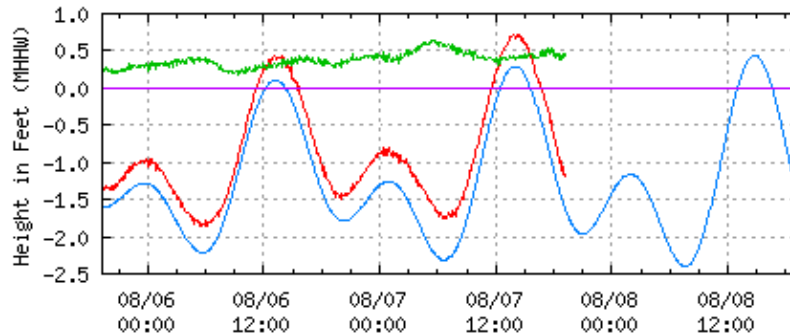


barometric pressure —

Last Observed Sample: 08/07/2014 19:12 (HST)

Barometric Pressure: 1012.0 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 08/07/2014 19:12 (HST). Data relative to MHHW

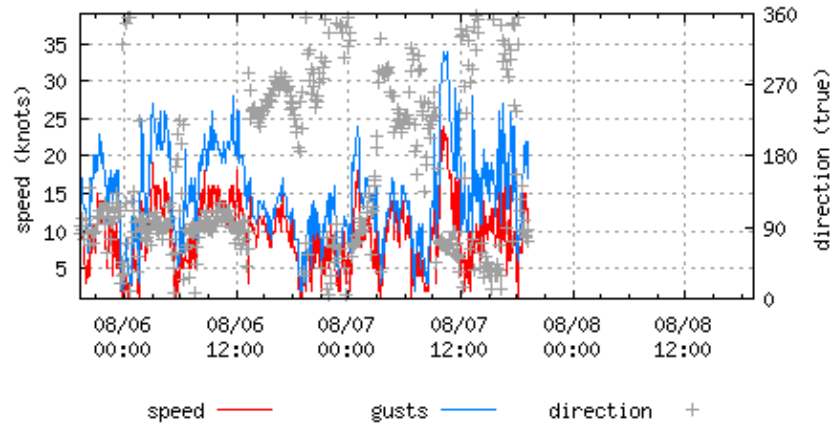
Observed: -1.19 ft. Predicted: -1.64 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 08/08/2014 01:55 (HST), -1.16 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

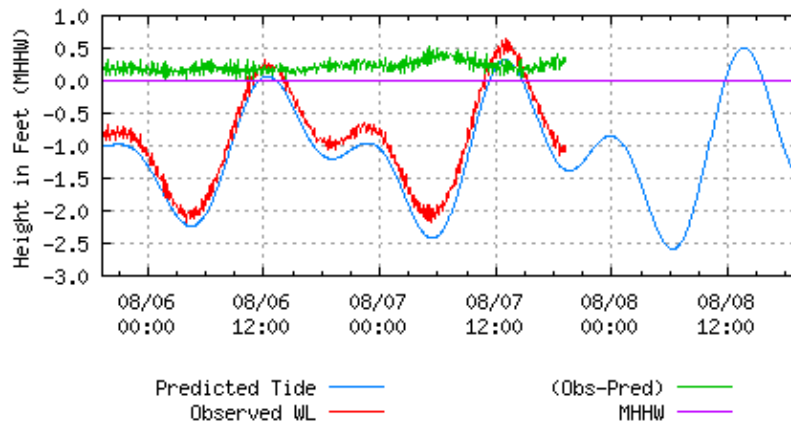


Last Observed Sample: 08/07/2014 19:12 (HST)

Wind Speed: 13 knots Gusts: 22 knots Direction: 72° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/07/2014 19:12 (HST). Data relative to MHHW

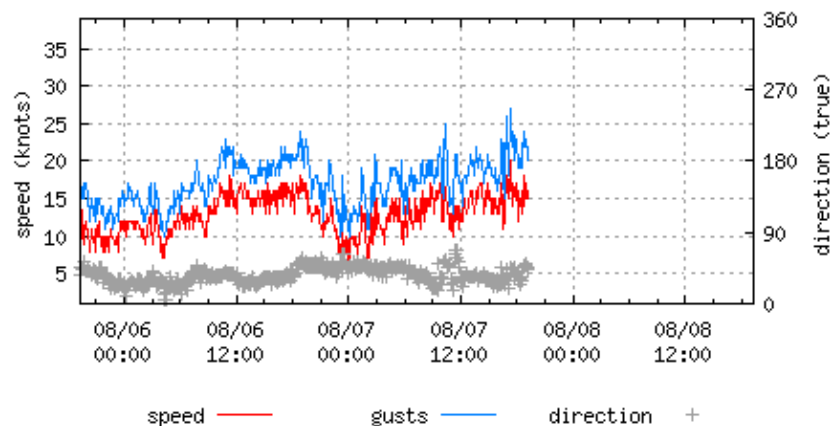
Observed: -1.08 ft. Predicted: -1.37 ft. Residual: 0.29 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 08/07/2014 23:54 (HST), -0.85 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

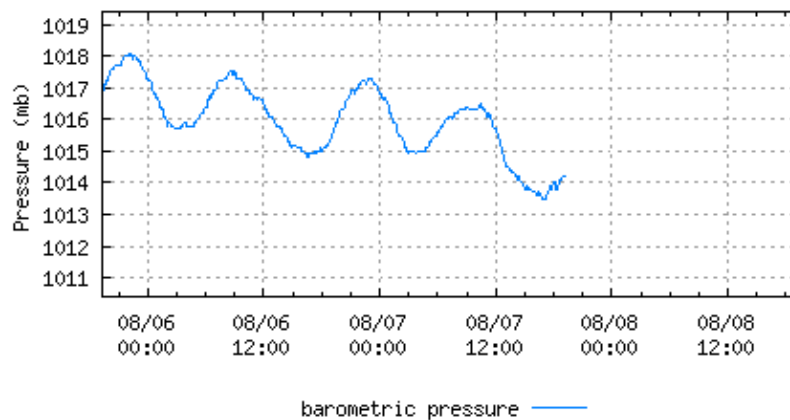


Last Observed Sample: 08/07/2014 19:12 (HST)

Wind Speed: 15 knots Gusts: 20 knots Direction: 44° T

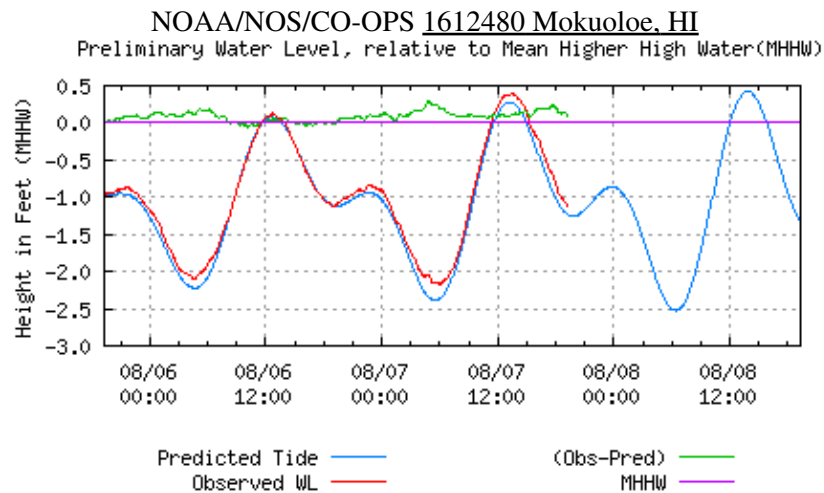
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Barometric Pressure



Last Observed Sample: 08/07/2014 19:12 (HST)

Barometric Pressure: 1014.2 mb

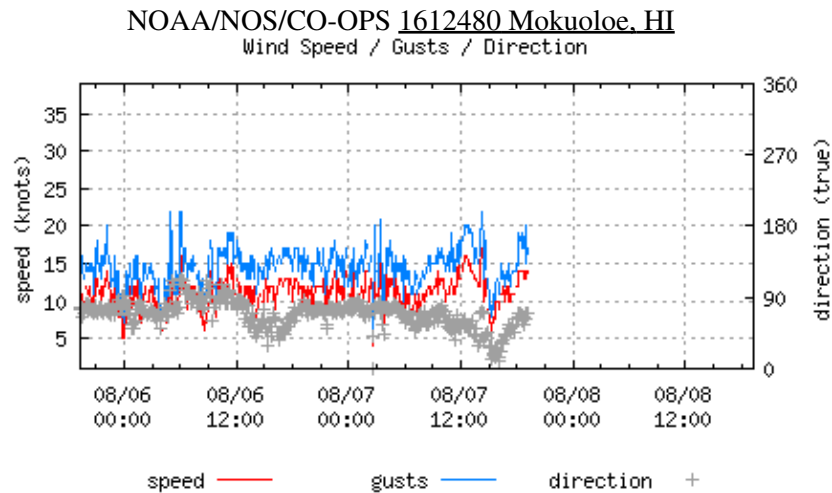


Last Observed Sample: 08/07/2014 19:12 (HST). Data relative to MHHW

Observed: -1.13 ft. Predicted: -1.23 ft. Residual: 0.10 ft.

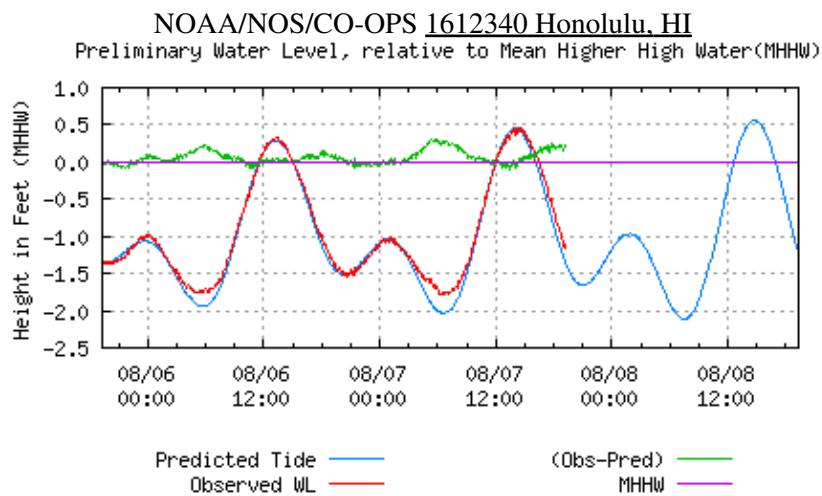
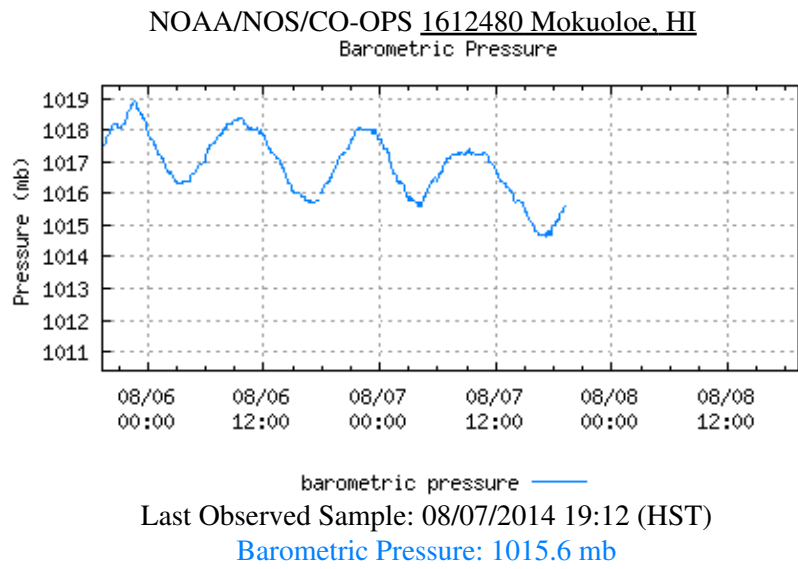
Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 08/07/2014 23:49 (HST), -0.86 ft.



Last Observed Sample: 08/07/2014 19:12 (HST)

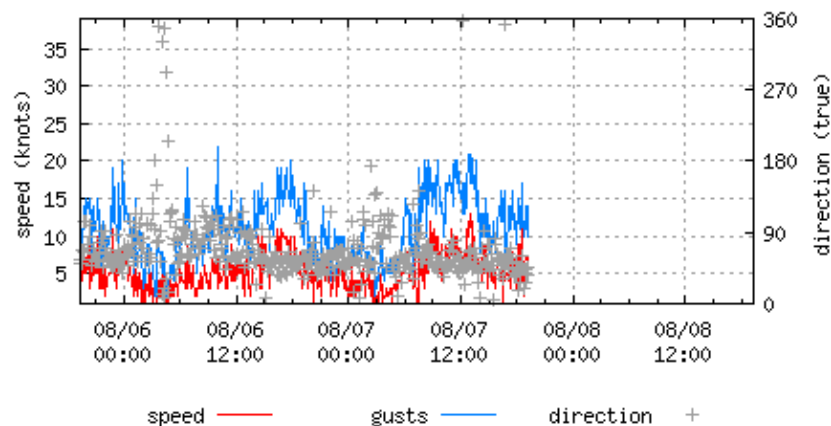
Wind Speed: 14 knots Gusts: 17 knots Direction: 70° T



Last Observed Sample: 08/07/2014 19:12 (HST). Data relative to MHHW
Observed: -1.17 ft. Predicted: -1.36 ft. Residual: 0.19 ft.
Historical Maximum Water Level: Feb 14 1967, 1.49 ft.
Next High Tide: 08/08/2014 01:49 (HST), -0.97 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction

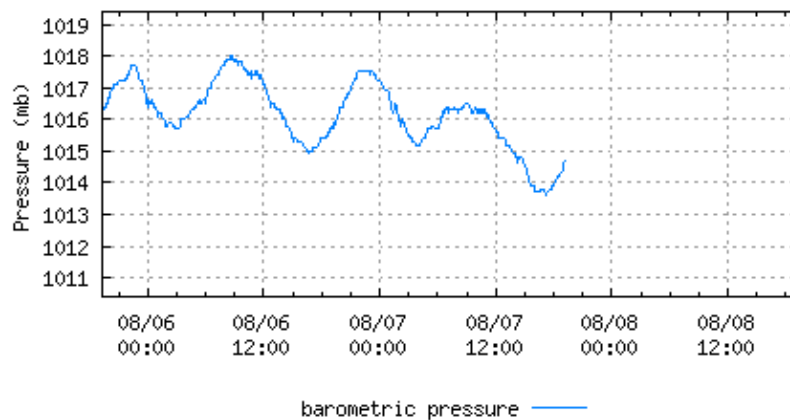


Last Observed Sample: 08/07/2014 19:12 (HST)

Wind Speed: 7 knots Gusts: 10 knots Direction: 37° T

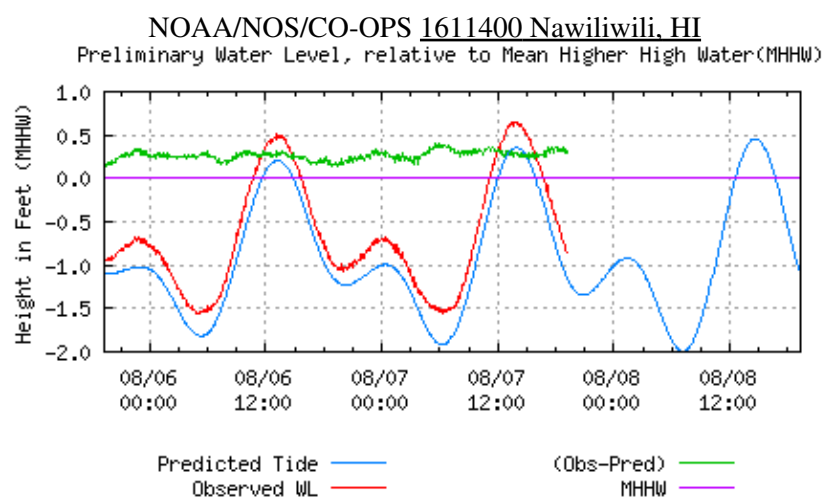
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure



Last Observed Sample: 08/07/2014 19:12 (HST)

Barometric Pressure: 1014.7 mb



Last Observed Sample: 08/07/2014 19:12 (HST). Data relative to MHHW

Observed: -0.86 ft. Predicted: -1.17 ft. Residual: 0.31 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/08/2014 01:22 (HST), -0.92 ft.

Hurricane ISELLE QuickLook, POSTED 18:00 HST 08/07/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/07/2014 19:12 (HST)	-1.28 ft	-1.72 ft	0.44 ft	0.81 ft
1617433	Kawaihae, HI	08/07/2014 19:12 (HST)	-1.19 ft	-1.64 ft	0.45 ft	0.72 ft
1615680	Kahului, Kahului Harbor, HI	08/07/2014 19:12 (HST)	-1.08 ft	-1.37 ft	0.29 ft	0.64 ft
1612480	Mokuoloe, HI	08/07/2014 19:12 (HST)	-1.13 ft	-1.23 ft	0.10 ft	0.39 ft
1612340	Honolulu, HI	08/07/2014 19:12 (HST)	-1.17 ft	-1.36 ft	0.19 ft	0.46 ft
1611400	Nawiliwili, HI	08/07/2014 19:12 (HST)	-0.86 ft	-1.17 ft	0.31 ft	0.65 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce